HP EliteDesk 8 Tower G1i Desktop AI PC

Key Experiences and Product Specs





AI-ready hardware for superior performance, designed for enterprise tech and creative experts.

Key Product Experiences

Superb performance with AI-ready hardware: Enhance productivity and streamline workflows with the AI-enhanced power of the latest Intel® Core™ Ultra processor[1] with a 13 TOPS NPU[2] that ensures fast and efficient processing power and performance for demanding tasks.

Empowering expandability helps you perform at your best: With multiple expansion slots, storage options, and 4 DIMM memory, the HP EliteDesk 8 TWR G1i AI PC offers seemingly limitless potential for upgrades. Its toolless design allows for easy upgrading, ensuring your PC can grow with your needs.[4]

Work protected and secure: In addition to a physical security lock, HP Tamper Lock[5] for BIOS protection and intrusion sensor for detecting and alerting to unauthorized opening of the chassis, HP Wolf Security for Business[6] creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.

Product Specs:

Operating System	Windows 11 Pro[7]
Processor(s)	Intel® Core™ Ultra processors[1] 65W up to Ultra 9/Q870, Intel vPro® standard[8] Up to 13 TOPS NPU[2]
Graphics	Integrated: Intel® UHD 770/730 graphics Optional discrete graphic card options:[9] • AMD Radeon™ RX 6300 2GB • Intel® Arc™ A380 6GB • NVIDIA® A400 4GB • NVIDIA® GeForce® RTX 3050 8GB
Memory	Up to 128GB DDR5[10] memory (speed will vary based on configuration. Max system speed at 5600MHz if only one DIMM is installed)[11]
Storage & Drive Bays	• 3x M.2 SSD slots, up to 6TB max[12] • (Up to 2TB PCIe® NVMe™ TLC M.2 SSD; Up to 512GB PCIe® NVMe™ Opal2 TLC M.2 SSD; Up to 1TB PCIe®® NVMe™ M.2 SSD; up to 256GB PCIe® Opal2 NVMe M.2 SDD)[12] • 2 x 3.5" HDD bays, up to 4TB max (Up to 2TB SATA HDD[12] • 1x 9.5mm slim SATA ODD[12] • 1x CRU removable storage (QX118)
Input/Connectivity	**Front**: (4) SuperSpeed USB Type-A 10Gbps signaling rate[13] ports; (2) SuperSpeed USB Type-C® 20Gbps signaling rate[13] port; (1) Combo Audio Jack; **Rear**: (1) Audio line-in/line-out jack connector; (1) RJ-45; (2) SuperSpeed USB Type-A 5Gbps signaling rate[13] ports; (3) USB Type-A 480Mbps signaling rate[13] ports; (2) DisplayPort™ 2.1; (1) HDMI 2.1; Flex IO 1: Choice of Serial/DP/HDMI 2.1/VGA, dual USB-A (5Gbps signaling rate[13]), Dual USB Type-C® (10 Gbps signaling rate[13] with 15W out), USB Type-C® 10Gbps signaling rate[13] with DisplayPort™ 1.4 or Thunderbolt™ 4; Flex IO 2: Choice of Dual USB-A 5Gbps signaling rate[13] or Serial port
Wireless technology	Intel BE200 Wi-Fi 7[14] + Bluetooth® 5.4 wireless card Intel vPro®[8]/Non-vPro WLAN, Intel® I226-T1 2.5GbE NIC Intel® Wi-Fi 6E[15,16] AX211 + Bluetooth® 5.3 wireless card; Intel® Wi-Fi 6E[15,16] AX211 + Bluetooth® 5.3 wireless card (non-vPro); Realtek RTL8852BE 802.11ax3 2x2 Wi-Fi 6[17] + Bluetooth® 5.3 wireless card
Power	260W/400W/500W
Weight and Dimensions	155mm x 308mm x 337 mm (6.1 x 12.13 x 13.27 in) Starting at 6.22 kg (13.7 lbs)[18]
Color	Black
Expansion Slots	(1) PCIe® Gen5 x16; (1) PCIe® Gen4 x16 (wired as x4); (2) PCIe® Gen3 x1
Sustainable Impact Specifications	EPEAT Climate+™ Gold[19], ENERGY STAR® and TCO certified; at least 60% PCR materials in total[25]; 20% recycle SGCC steel used in chassis & PSU[24]; speaker enclosure, fan housing / ducts & front I/O strip made from recycled material including ocean-bound plastics[20]; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable[21]; Outside box and corrugated cushions are 100% sustainably sourced and recyclable[21]; low halogen[22]; Bulk packs available[23]
Security & Manageability	HP Wolf Security for Business[11]: HP Sure Start[26], HP Sure Run[27], HP Sure Recover[28], HP Sure Admin[29], HP Sure Click[30], HP Sure Sense[31], HP Tamper Lock[5]

Disclaimers:

1. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
2. AI applications that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors
3. N/A
4. Toolless installation only available on select configurations.
5. HP Tamper Lock must be enabled by the customer or your administrator.
6. HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.
7. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
8. Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vproHP Services are sold separately. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
9. Sold separately or as an optional feature.
10. For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 2666 MT/s, 2933 MT/s or 3200 MT/s as depending on processor config; with 1 DIMM per channel. Additional DIMM loading on any channel may impact maximum memory speed. Actual data rate is determined by the system's configured ; See processor specifications for supported memory data rate.
11. Modules support data transfer rates up to 5600 MT/s; system speed should follow Intel's design guideline. Actual data rate is determined by the system configuration.
12. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
13. Actual throughput may vary
14. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
15. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs and available in countries where Wi-Fi 6E is supported.
16. Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6E (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
17. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
18. Actual weight will vary by configuration.
19. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. See www.epeat.net for registration status and tier levels by country.
20. Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard
21. HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
22. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
23. Bulk packaging solution may vary by region or market
24. Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams
25. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
26. HP Sure Start is available on select HP PCs and requires Windows 10 or 11.
27. HP Sure Run is available on select HP PCs and requires Windows 10 or higher.
28. HP Sure Recover with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
29. HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

30. HP Sure Click requires Windows 10 or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
31. HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.

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